

REMARKS

Claims 1-10 and 20-27 are pending and under consideration. No new matter is presented in this Amendment.

REJECTIONS UNDER 35 U.S.C. §103:

Claims 1-10 and 20-27 are rejected under 35 U.S.C. §103(a) as being unpatentable over Kobayashi (U.S. Patent 6,097,695) in view of Moriya et al. (U.S. Patent 7,079,477). The applicants respectfully traverse.

Contrary to the Examiner's assertions, Kobayashi does not disclose a reproduction-related user (RRU) data demodulator which demodulates reproduction-related user data recorded on the optical storage medium from a sum signal of the first and second electrical signals; and a read only memory-permanent information control (ROM-PIC) data demodulator which demodulates optical information storage medium-related information recorded on the optical storage medium from the sum signal, as recited in claim 1. In making the rejection, the Examiner seems to construe the RRU demodulator recited in claim 1 as corresponding to the recording/reproduction circuit 53 (col. 8, lines 8-19: the reproduced signal MO is sent to the recording/reproduction circuit 53, as illustrated in FIG. 11), the ROM-PIC demodulator as broadly corresponding to the wobble signal processing system shown in FIG. 6 of Kobayashi, the RRU data as corresponding to the user data DU (as indicated in the rejection of claim 2 on page 4 of the Office Action), and the optical information storage medium related information (OISM information) as corresponding to the ADIP data included in the wobble signal, as disclosed in Kobayashi at col. 8, lines 8-19. However, the recording/reproduction circuit 53 does not teach the RRU data demodulator, as **the RRU demodulator recited in claim 1 demodulates reproduction-related user data from a sum signal, while the recording/reproduction circuit 53 of Kobayashi reproduces the data from the signal MO which is a differential signal obtained in the differential amplifier 30.** Since the recording/reproduction circuit 53 does not demodulate reproduction-related user data from a sum signal, recording/reproduction circuit 53 cannot correspond to the RRU demodulator recited in claim 1.

The Examiner also asserts that the wobble signal processing system shown in FIG. 6 corresponds to the ROM-PIC demodulator. **The wobble signal processing system of**

Kobayashi, however, demodulates data from the PP signal, which is a differential signal, while the ROM-PIC data demodulator recited in claim 1 demodulates optical information storage medium-related information from a sum signal.

Furthermore, even if the recording/reproducing circuit 53 were construed as corresponding to the RRU demodulator and the frame address detecting circuit 37 were construed as corresponding to the ROM-PIC demodulator, the two circuits operate on different signals. In contrast, claim 1 recites, in part, reproduction-related user (RRU) data demodulator which demodulates reproduction-related user data recorded on the optical storage medium from a sum signal, and a read only memory-permanent information control (ROM-PIC) data demodulator which demodulates optical information storage medium-related information from the sum signal. The push-pull signal PP (from which the wobble signal is extracted, col. 8, lines 8-9) and the user data DU cannot both correspond to the sum signal because the push-pull signal PP and the user data DU are entirely different signals. Since the recording/reproducing circuit 53 and the frame address detection circuit 37 operate on different signals, neither circuit can correspond to either the RRU demodulator recited in claim 1 or the ROM-PIC demodulator recited in claim 1.

Moriya does not remedy the deficiencies in Kobayashi identified above. Moriya is directed toward an optical information storage medium upon which data modulated in different ways may be recorded (abstract). Moriya does not disclose a reproduction-related user (RRU) data demodulator which demodulates reproduction-related user data recorded on the optical storage medium from a sum signal of the first and second electrical signals; and a read only memory-permanent information control (ROM-PIC) data demodulator which demodulates optical information storage medium-related information recorded on the optical storage medium from the sum signal, as recited in claim 1. Accordingly, even if it were proper to combine the disclosures of Kobayashi and Moriya, such a combination would not disclose or suggest all the limitations of claim 1, and the rejection of claim 1 should be withdrawn.

Claims 2-10 depend from claim 1. The rejection of claims 2-10 should be withdrawn for at least the reasons given above with respect to claim 1.

Claim 20 recites limitations similar to claim 1, such as demodulating the reproduction-related user data from a sum signal of electrical signals; and demodulating the optical information storage medium-related information from the sum signal. The combination of

Kobayashi and Moriya does not disclose or suggest all the limitations of claim 20 for at least the reasons given above with respect to claim 1. Claims 21-27 depend from claim 20; the rejection of claims 21-27 should be withdrawn for at least the reasons given above with respect to claim 20.

CONCLUSION:

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.


Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 503333.

Respectfully submitted,

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